FARKAS, Istvan, dr.; DUBECZ, Sandor, dr.; KANTOR, Elemer, dr.

Neurinoma in the stomach. Magy. onkol. 7 no. 2:102-106 Je '63.

1. Budapesti Orvostudomanyi Egyetem, II. sz. Sebeszeti Klinika.
(STOMACH NEOPLASMS) (NEURILEMOMA)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412430001-6"

HUNGARY

DUBECZ, Sandor, Dr. FARKAS. Istvan, Dr. MESZOLY, Istvan, Dr. Medical University of Budapest, III. Surgical Clinic (Budapesti Orvostudomanyi Egyetem, III. sz. Sebeszeti Klinika), (department chairman: STEFANICS, Janos, Dr., docent).

"Insufficiency of the Anal Sphincter and the Problems of Surgical Correction."

Budapest, Magyar Sebeszet, Vol XVI, No 3, June 1963, pages 152-156.

Abstract: [Authors' German summary] In the evaluation of the surgical procedures for the correction of incontinence of the sphincter, literature data and the authors' experiences are presented. The surgical problems and future expectations are analyzed. Based on the evaluation of the 13 cases reported by the authors, it is concluded that many cases of incontinence of the sphincter could be avoided if the Whitehead operation would be replaced by the more timely fistula operation. 4 Eastern European, 27 Western references.

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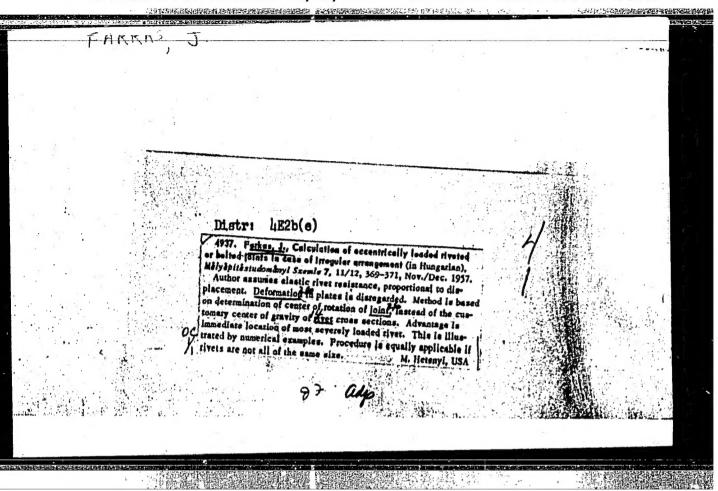
12

FARKAS, Istvan; GELENCSER, Ferenc, IHASZ, Mihaly

Intestino-intestinal reflex and micromotility of the intestines.

Kiserl. orvostud. 16 no.1:62-64 Ja.64.

1. Budapesti Orvostudonamyi Egyetem III. es II. sz. Sebeszeti Klinikaja es a Magyar Nephadsereg Egeszsegugyi Szolgalata.



FARKAS, J.; ALABICS, A.

Condensate drain tap based on heat expansion. p.765

ENERGIA ES ATOMTECHNIKA. (Energiagazdalkodasi Tudomanyos Egycsulet) Budapest, Hungary Vol. 11, no.11/12, Nov./Dec. 1958

Henthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959 Uncl.

FARKAS, J

SMEJKAL, J.; FARKAS, J.



Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciencer Prague (for both)

Prague, Collection of Czechoslovak Chemical Communications, No 2, 1963, pp 404-409

"Anomalous Course of Elimination Reactions in the Series of Phenocyclopropane Derivatives"

Country : HUNGARY

Category : Cultivated Plants. Potatoes. Vegetables. Melons. M

Abs Jour : RZhBiol., No 6, 1959, No 24903

Author

: Farkas, Jo

Tnst Title

: Growing Carrots on Irrigated Soils.

Orig Pub: Kerteszet es szoleszet, 1958, 7, No. 6, 10

Abstract : No abstract.

: 1/1 Card

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**CZECHOSLOVAKIA** 

THE WASHINGTON

# FILIP, J: FARKAS, J

1. Institute for Research Production and Utilisation of Radioisotopes - (for !): 2. Institute of Organic Chemistry and Biochemistry, Csechoslovak Academy of Sciences, Prague - (for ?)

Prague, Collection of Czechoslovak Chemical Communi-sations, No 1, January 1967, pp 462-466

"Mucleic seid components and their analogues. Part 87: Preparation of 5-bis(2-chloroethyl-1,2-5H J aminomethyluracil hydrochloride."

FARKAS, J., FIALA, E. Preventing the turbidity of wine caused by iron and other metals. p. 157

Vol. 2, no. 7, July 1956 KVASNY PRUMYSL TECHNOLOGY Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

H-27

JAN FARKAS,

CZECHOSLOVAKIA/Chemical Technology, Chemical Products and

Their Application, Part 3. - Fermentation

Industry.

Abs Jour: Referat. Zhurnel Khimiya, No 10, 1958, 34157.

Author : Jan Farkas.

Not given. : Importance of A New Method of Adding Gaseous SO2 to Wine. Inst Title

Orig Pub: Kvasny prumysl, 1957, 3, No 7, 155-158.

Abstract: The importance of 802 in viniculture, the doses of 802 for the wine and must sulfitisation (15 mg per liter) if vory sweet; 30 mg, if sweet; 50 mg, if medium; 75 mg, if dry, and 100 mg, if very dry) and the sulfitization methods (with a sulfur fuse, with SO2 solution, and with gaseous 802 from cylinders and ampoules) are discussed. A device for measuring doses of 802

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: 2/2 Card

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H-26

FARKAS, JAN CZECHOSLOVAKIA/Chemical Technology - Chemical Products and

Their Application, Part 3. - Fermentation Industry.

: Ref Zhur - Khimiya, No 7, 1958, 23003 Abs Jour

Jan Farkas Author

Inst : Influence of Grapes Treatment Conditions on Wine Quality. Title

: Vinarstvi, 1957, 50, No 10, 146-147 Orig Pub

: No abstract. Abstract

Card 1/1

Н

FARKAS J.

CZECHOSLOVÁKIA/Chemical Technology. Chemical Products and Their Applications. Fermentation Industry.

Abs Jour: Ref Zhur-Khimiya, No 6, 1959, 21224

Author

: Farkas, Jan

Inst Title : Use of Ion Exchange for Stabilization of

Wine.

Orig Pub: Kvasny prumysl, 1953, 4, No 7, 156-160

Abstract: A method for the use of a cation exchanger
(CE) for treatment of wine is described.
With passage of the wine through a CE, cations of Fe, K, Ca, Mg and part of the nitrogen-containing substances are removed from the wine. The necessity for treatment

Card : 1/2

H-115

## FARKAS, J.

Application of complexon III in wine making. p. 323.

PRUMYSL POTRAVIN. (Ministerstvo potravinarskeho prumyslu) Prava, Czechoslovakia, Vol. 10, no. 6, June 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959.

uncl.

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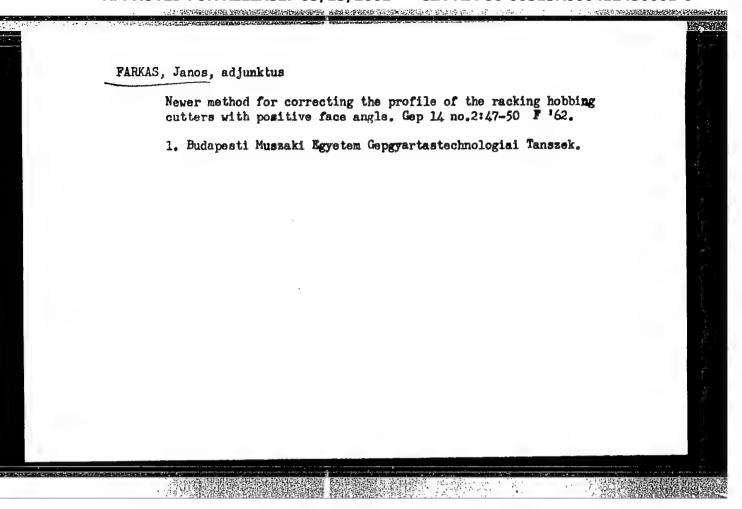
FARKAS, J.

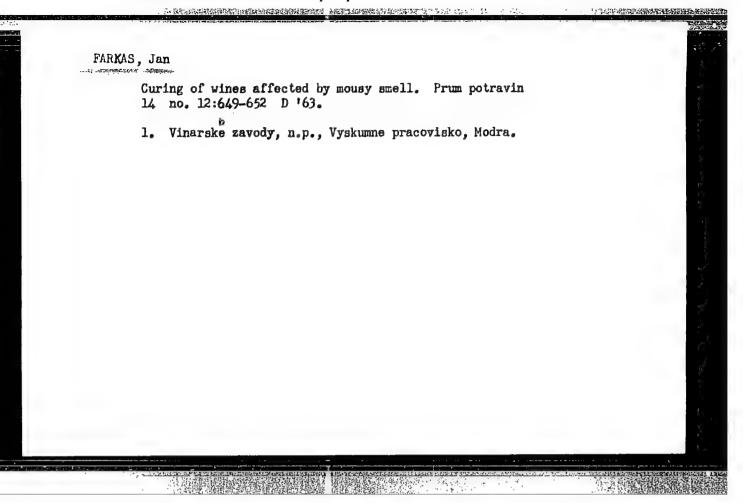
Use of cation exchangers in wine making, p. 949.

Technicka Praca. (Rada vedeckych technickych spolocnosti pri Slovenskej akademii vied) Bratislava, Czechoslovakia, Vol. 11, no. 11, Nov. 1959.

Monthly List of East European Accessions (EEAI), LC Vol. 9, no. 2, Feb. 1960

Uncl.



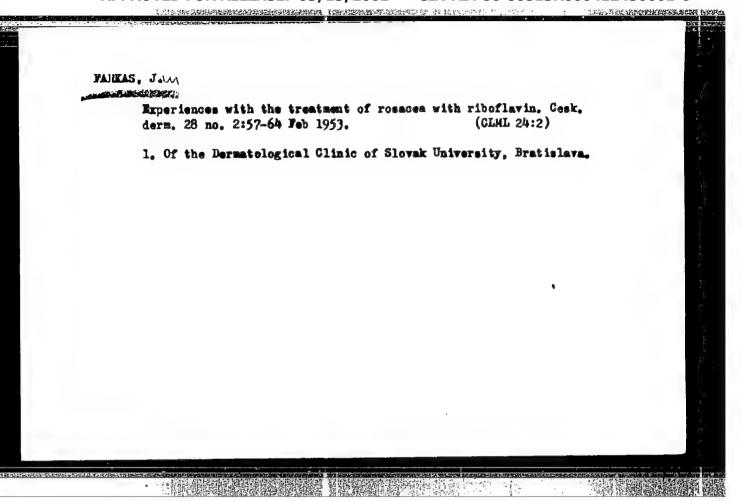


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FARKAS, J.; KISS, I.

Observations on biochemical changes in irradiated spores of Bacillus cereus. Acta mikrobiol. acad. sci. Hung. 12 no.1: 15-78 \*65.

1. Central Food Research Institute (Director: G. Torok), Budapest.



Problems of occupational dermatoses from viewpoint of the work

of the ambulatorium for industrial dermatoses. Cesk. derm. 24 no.5:278-283 Oct 54.

TO CONTRACTOR OF THE PROPERTY OF THE PROPERTY

1. 2 poradne KUNZ pre kosne choroby s povolania v Bratislave (SKIN, diseases

occup., prev. & control, role of ambulatorium for indust. dermatoses)

(OCCUPATIONAL DISMASMS

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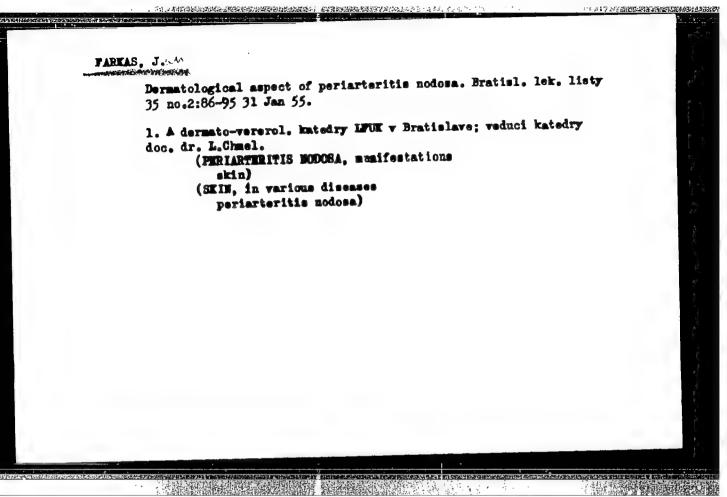
FARKAS, Jan, MUDr., asistent kliniky

Cutaneous forms of periarteritis nodosa. Cesk. derm. 30 nc.6:
352-357 Dec 55.

1. Z Dermato-venerologicksj katedry LFUK v Bratislave.

(PERIARTERITIS MCDOSA,
akin)

(SKIN, blood supply,
periarteritis nodosa)



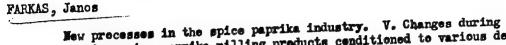
FARKAS, Janos, adjunktus

Calculation of the co-ordinates of bore systems by means of vectors.

Gep 14 no.12:475-479 D '62.

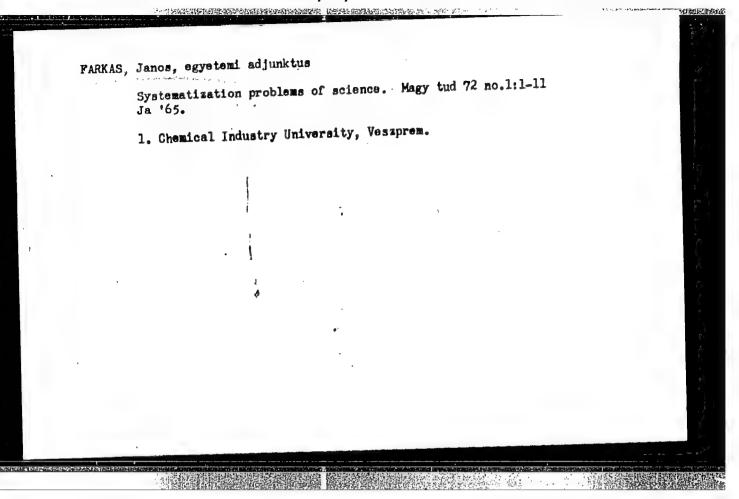
1. Budapesti Muszaki Egyetem Gepgyartastechnologiai Tanszek.

# Some never method for determining coordinate allowances. Gep 15 no.4137-139 Ap '63. 1. Adapesti Mussaki Egyetem Gepgyartastechnologiai Tanszeks.



storing spice paprika milling products conditioned to various degrees of meisture centent. Kenzerv paprika ne.4:127-130 Jl-Ag \*62.

1. Smegedi Paprikafeldelgese Vallalat laboratoriuma.



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HU/0036/65/072/001/0001/0011 L 13517-66 SOURCE CODE: ACC NR: AP6006882 AUTHOR: Farkas, Janos-Farkash, Ya. ORG: University of the Chemical Industry, Veszprem (Vegyipari Egyetem) TITLE: Problems of the systematization of science SOURCE: Magyar tudomany, v. 72, no. 1, 1965, 1-11 TOPIC TAGS: scientific program, scientific information, scientific policy ABSTRACT: The article presents new possibilities of systematization and defines the concept of science. The principles which can be used as starting points of systematization are described and reference is made to various trends in philosophy on the subject. The problems of documentation are also presented briefly. The proposals made by Kedrov, Strumilin, the Auger report, the works of Uyomov, Szalai and Bukavoskiy are described and evaluated in some detail. [JPRS] SUB CODE: 05 / SUBM DATE: none / ORIG REF: 005 / OTH REF: 002 SOV REF: 003.

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FARKAS, J.; FARKAS, J.; SORM, F.

Studies in the chleramphenical series. Part 4. Synthesis of 1-(p-nitro-phenyl)-2-hydroxymethyl-2-dichloro-accetamide-1,3-propandial and a correction [in Inglish with summary in Russian]. Sbor, Chekh, khim.rab. 18 no.1:102-(NIEA 7:6)

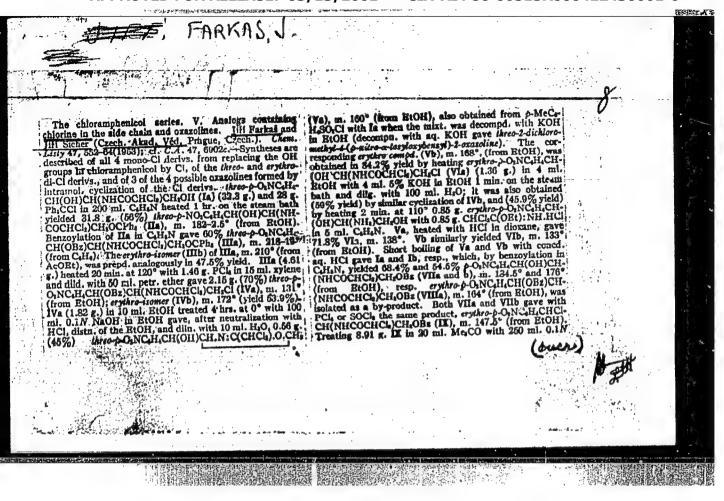
1. Chentral Chemical Research Institute, Prague.

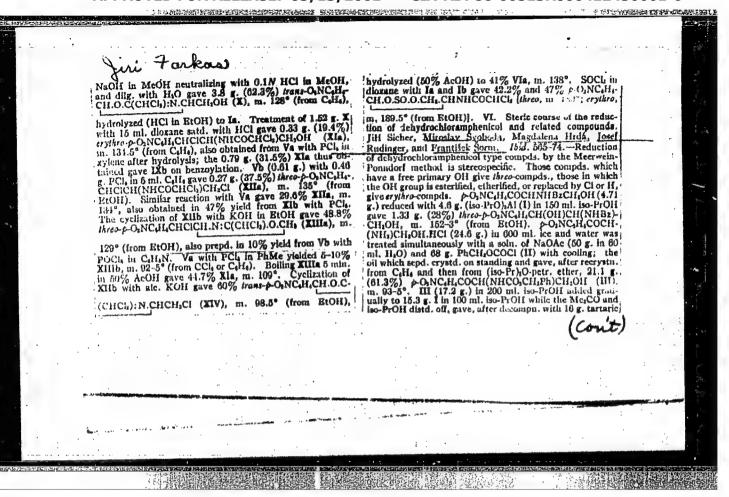
(Chloramphenical)

## FARKAS, J.; SICHER, J.

"Studies in the Chloramphenicol Series. V. Side-chain Chlorinated Analogues and Oxazolines. In English. " p. 469 (COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. SBORNIK CHEKHOSLOVATSKIEH KHIMICHESKIKH RABOT. Vol 18, no. 4, Aug. 1953; Praha, Czech.)

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 4, April 1955, Uncl..





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acid in 200 ml. II.O. 5 g. (34%) three-p-O.NC.H.CH(OH)-CH(NHCO<sub>2</sub>CH.Ph)CH:OH (IV), m. 115-18°. As by-products were isolated 0.73 g. p-O.NC.H.COCH(NHCO.CH.Ph)Me. m. 142-3° (from E:OH), and a compd., C. Hie-N.O., in. 275-7° (from E:OH). IV was also obtained in 11.5% yield by treating three-p-O.NC.H.CH(OH)CH-(NII.)CH;OH (prepd. from 2.48 g. of the corresponding IICI salt and 5 g. NaHCO, in 8 ml. H.O) with 1.9 ml. II in 25 ml. Me;CO, evapg. at room temp., dilg. with H.O. filtering, and washing with dil. HCl. p-O.NC.H.COCH-(NHCOCH-Ch)CH;OH (V) (14.5 g.) heated with 25 g. Al(OC.H.I.), in 120 ml. C.H.OH 3.5 hrs. at 90-5° under N 2ave, after decompn. with 25 g. artaric acid in 100 ml. H.O. 4.11 g. (28.2%) three-p-O.NC.H.CH(OH)CH(NHCO-CHCl.)CH;OH,OH (VII), m. 149-50°, and a small amt. of the erythro-form (VIIb), m. 149-50°, and a small amt. of the crythro-form (VIb), m. 122-3°. p-O.NC.H.COCH(NH-COCHCh)CH;OH;OH,OH,H.CH(OH)CH(NHCOHCh). Spon. gave srythro-p-O.NC.H.CH(OH)CH(NHCOHCh). C.H.O.C., m. 118-20° (from C.H. and from CHCl.). Sapon. gave srythro-p-O.NC.H.CH(OH)CH(NH.)CH;OH, m. 210-12°. Reduction of VII with I in iso-PrOH and decompn. with tartaric acid gave VIb. V (120 g.) and 114 g. Pla.CCI in 170 ml. C.H.N heated 20 min. on the steam bath, gave, after diln. with H<sub>2</sub>O 112.2 g. (60%) p-O.NC.H.COCH(NH-COCH-(NHCHCl.)CH<sub>2</sub>OCH<sub>2</sub>OCH(CH(OH)CH(NHCOCH-L)CH<sub>3</sub>OCPh<sub>1</sub>. m. 167-8°. Reduction of 5.65 g. VIII with 4.12 g. I in 50 ml. C.H. gave, after refluxing 3 hrs. on the steam-bath, 3.5 g. (64%) erythro-p-O.NC.H.-C.H.(OH)CH(NHCOCHCl.) C.H.OCPh<sub>1</sub>. m. 167-8°. Reduction of 5.65 g. VIII with 1.35 g. (64%) erythro-p-O.NC.H.-C.H.(OH)CH(NHCOCHCl.) C.H.OCPh<sub>1</sub>. m. 167-8°. Reduction of 5.65 g. VIII with 4.12 g. I in 50 ml. C.H. gave, after refluxing 3 hrs. on the steam-bath, 3.5 g. (64%) erythro-p-O.NC.H.-C.H.(OH)CH(NHCOCHCl.) C.H.OCPh<sub>1</sub>. m. 167-8°. Reduction of 5.65 g. VIII with 4.12 g. I in 50 ml. C.H. gave, after refluxing 3 hrs. on the steam-bath, 3.5 g. (64%) erythro-p-O.NC.H.-C.H.(OH)CH(NHCOCHCl.) C.H.OCPh<sub>1</sub>. m. 167-8°.

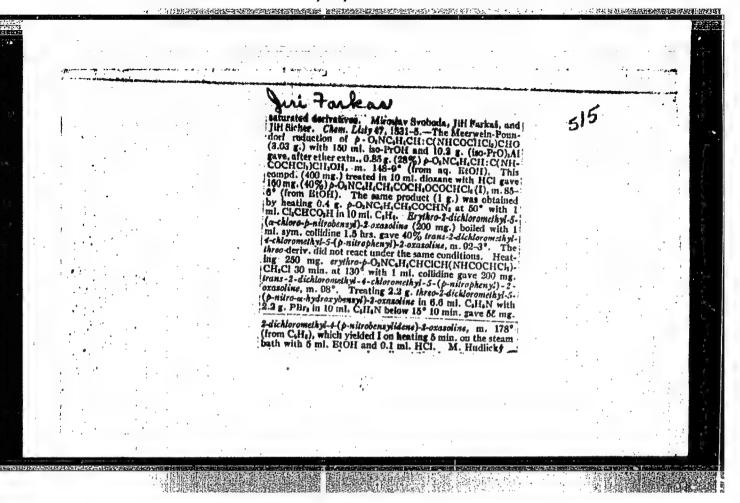
fluxing 150 g. V and 150 ml. SOCI, in 500 ml. dioxane 25; min. gave 97.5 (58.4%) p-O<sub>2</sub>NC<sub>6</sub>H<sub>6</sub>COCH(NHCOCHCh)-CH<sub>7</sub>CI (IX), m. 141° (from EtOH), and a small amt. of 2-dichloramethyl-4-(p-nitrobencyl)-2-oxazoine, m. 115-16°. Reduction of 50.8 g. IX with 61.2 g. I in 500 ml. iso-PrOH gave in the usual way 25.6 g. (55.6%) crythro-p-O<sub>2</sub>NC<sub>2</sub>H<sub>6</sub>CH-(OH)CH(NHCOCHCl)CH<sub>2</sub>Cl, m. 133° (from EtOH). Heating 8 g. BzCH(NH<sub>2</sub>Me.HCl, dried azeotropically in C<sub>4</sub>H<sub>6</sub>, with 10 g. CHCl<sub>2</sub>COCl in 200 ml. C<sub>4</sub>H<sub>4</sub> 14 hrs. under reflux and, evapg. the soln., gave 8 g. (76%) BzCH(NH-COCHCl<sub>2</sub>)Me (X), the reduction of which with I and iso-PrOH gave 90% crythro-PhCH(OH)CH(NHCOCHCl<sub>2</sub>)Me (XI), m. 06-7° (from C<sub>4</sub>H<sub>6</sub>); it was also prepd. in 0.3-g. (73%) yield by refluxing 7 g. norephedrine (XII) 3 hrs. with 9.5 g. CHChCO<sub>2</sub>Rt in 30 ml. RtOH. Sapon. of XI with 10% HCI 6 hrs. gave XII.HCI, m. 190-2°. VII. Side reactions in the reduction of dehydrochloramphenicol. Jif Sicher, Miroslav Svoboda, Jifi Parkaš, and František Sorm. Sicher, Miroslav Svoboda, Jiří Parkaš, and František Sorm, Ibid. 1819-30; Collection Csechoslov. Chem. Communs. 19, 317-29(1954)(in English).—The reduction of the p-O,NC-Hi-COCH(NHCOCHCh)CH<sub>2</sub>OH(U) by the Meerwein-Poundorf method was studied. In addn. to the reduction of the CO group, debydration occurred yielding p-O,NC,H,COC(NH-COC(HCls)): CH<sub>2</sub> (II) which formed cryst, 1 dichlaromethyl-f-methyl-f-(p-nitrophenyl)arasale (III) and was responsible for polymeric by-products. I (m. 123-1") (100 g.) in 100 ml. iso-PrOH was dropped during 5 hrs. into a solu, of 120 g. (iso-PrO)AI in 250 ml. iso-PrOH, and the mixt, was heated at

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60-5° while Me<sub>1</sub>CO-Iso-PrOH was distd. over. After cooling to 40°, 590 ml. 20% tartark acid was added to the residue, the iso-PrOH distd. off at 45°, and the sepd. crystals extd. with CaHa and crystal. from H<sub>2</sub>O to give 51.5g. (51.5%) extd. with CaHa and crystal. from H<sub>2</sub>O to give 51.5g. (51.5%). (±)-chloramphenicol. Evapu. of the CaHa ext. and chromatography yielded 1.5g. III (ligroine fraction) (m. 107-8°), to graphy, CaHa, Na, Oct (IV), m. 117-18° (CaHa fraction), and a compd., CaHa, Na, Oct (IV), m. 117-18° (CaHa fraction), and a compd., CaHa, Na, Oct (IV), m. 110-200° (ROH fraction). III was also obtained by the Meerweln-Ponntor retion). III was also obtained by the Meerweln-Ponntor retion). III was also obtained by the Meerweln-Ponntor retion). III was also perpod. by Boiling IV in aq. EtOH gave V. III was also prepod. by Boiling IV in aq. EtOH gave V. III was also prepod. by unitarion of 2.5 ml. Hr. SO<sub>4</sub> gave 0.37 g. (79.5%) 2-dichloromethyl-1-mixing 0.5 g. HzCHMeNHOCHCl, with 2.5 ml. Acquired mg.) yielded, by nitration at -30° with 0.25 ml. Hr. Hr. 110-10° mg. (10.1-130) mg. 1 m. 115-10°. II was also obgive, after crystn., 70 mg. II, m. 115-10°. II was also obtained by heating to the boiling point an aq. solitained by heating to the boiling point an aq. solitained by heating to the boiling point an aq. solitained by heating to the boiling point an aq. solitained by heating to the boiling point an aq. solitained by heating to the boiling point an aq. solitained by heating to the boiling point an aq. solitained by heating to the boiling point an aq. solitained by heating to the boiling point an aq. solitained by heating to the boiling point an aq. solitained by heating to the boiling point an aq. solitained by heating to the boiling point an aq. solitained by heating to the boiling point an aq. solitained by heating to the boiling point an aq. solitained by heating the point an aq. soli

CH: CH] \*[OSO<sub>4</sub>C<sub>4</sub>H<sub>4</sub>Me-p] \*, in. 148-9.5\* (from McCOEt), pr-pd. by mixing 5 g. I with 3.3 g. p-McC<sub>4</sub>H<sub>3</sub>SO<sub>5</sub>Cl (VI) in 3 ml. C<sub>4</sub>H<sub>4</sub>N (yield 88%). Similar treatment of 5.08 g. p-O<sub>5</sub>NC<sub>4</sub>H<sub>4</sub>COCHNHB<sub>2</sub>CH<sub>5</sub>OH (VII) with 3.4 g. VI in 30 inl. C<sub>4</sub>H<sub>4</sub>N, heating the mixt. 1 hr. on the steam bath,

[dilg. with 300 ml. H<sub>2</sub>O gave 3.5 g. (74.1%) p-O<sub>2</sub>NC<sub>4</sub>H<sub>4</sub>COC-(NHBz): CH<sub>3</sub> (VIII), m. 137-8° and solutiving at about 145° to (C<sub>14</sub>H<sub>19</sub>N<sub>1</sub>O<sub>4</sub>). (IX) which in 196-7° (from RtOII). 145° to (C<sub>14</sub>H<sub>19</sub>N<sub>1</sub>O<sub>4</sub>). (IX) which in 196-7° (from RtOII). 150-70°. Heating VII with Ac<sub>2</sub>O gave VIII and IX whereas 150-70°. Heating VII with Ac<sub>3</sub>O in the cold yielded p-NO<sub>7</sub> the reaction of VII with Ac<sub>4</sub>O in the cold yielded p-NO<sub>7</sub> (iso-PrO)<sub>2</sub>Al in 50 ml. iso-PrOII 3.5 hrs. gave, after extin. of the resitious material with ligroine, 15% 2-phony-4-methyl-5-the resitious material with ligroine, 15% 2-phony-4-methyl-5-the resitious material with ligroine, 15% 2-phony-4-methyl-5-the resitious material with ligroine, 15% 2-phony-4-methyl-5-5 (from iso-PrOII). Heating 7 hrs. at 70° 80 g. I in 400 ml. HCl and 320 ml. H<sub>2</sub>O gave ing 7 hrs. at 70° 80 g. I in 400 ml. HCl and 320 ml. H<sub>2</sub>O gave ing 7 hrs. at 70° 80 g. I in 400 ml. HCl and 320 ml. H<sub>2</sub>O gave ing 7 hrs. at 70° 80 g. I in 400 ml. HCl and 320 ml. H<sub>2</sub>O gave ing 7 hrs. at 70° 80 g. I in 400 ml. HCl and 320 ml. H<sub>2</sub>O gave ing 60° (from shift), m. 130°. X (12.3 g.) in AcOH treated with 10.2 g. p-NO<sub>2</sub>C<sub>4</sub>H<sub>4</sub>COC(CH<sub>4</sub>COC) and with a soln. of 81.4 g. NaOAc gave 10.9 g. (00.9%) p-O<sub>2</sub>NC<sub>4</sub>H<sub>4</sub>COC(CH<sub>4</sub>CH<sub>4</sub>OC) (C<sub>4</sub>H<sub>5</sub>OC) (C<sub>4</sub>H



SICHER, J.; SVOBODA, M.; FARKAS, J.; SORM, F.

Budies in the chloramphenical series. Part 7. The side reactions in the reduction of dehydrochloramphenical [in English with summary in Russian]. Sbor.Chekh.khim.rab. 19 no.2:317-329 Ap '54. (MLRA 7:6)

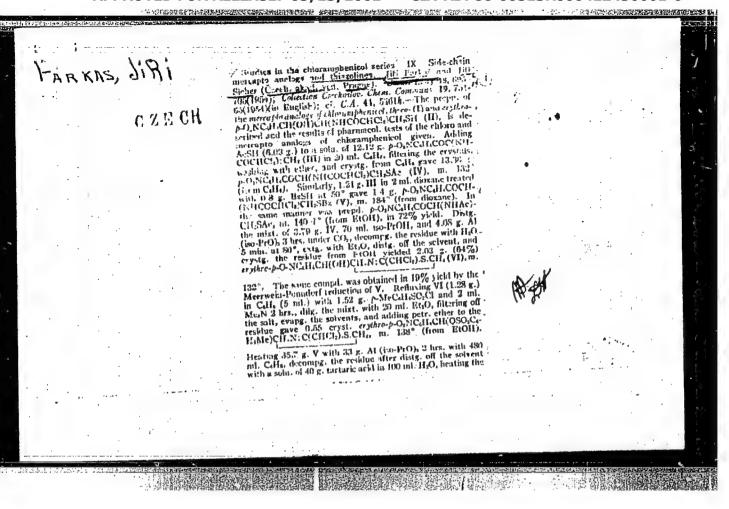
1. Department of Organic Synthesis, Institute of Organic Chemistry, Grechoslovak Akademy of Science, Prague. (Chloromycetin)

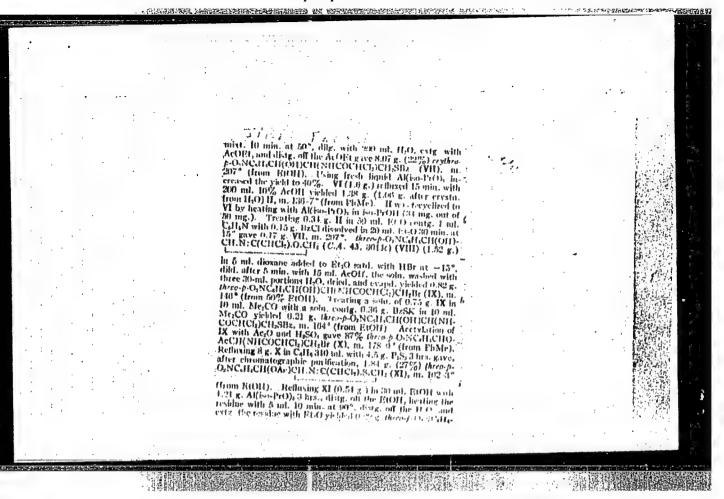
"Studies on the Chloramphenicol Series. VIII. Some Unsaturated Derivatives.
In English." p. 545,
(COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. SBORNIK CHEKHOSLOVATSKIKH
KHIMICHESKIKH RABOT, Vol. 19, No. 3, June 1954, Praha, Czechoslovakia)

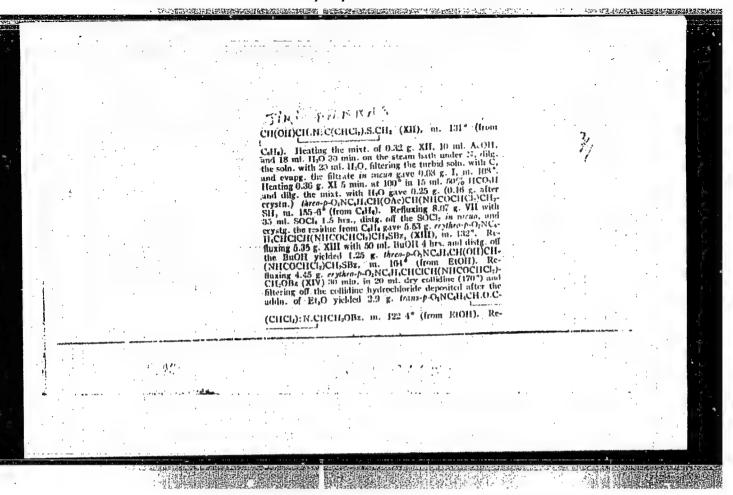
SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4 No. 5, May 1955, Uncl.

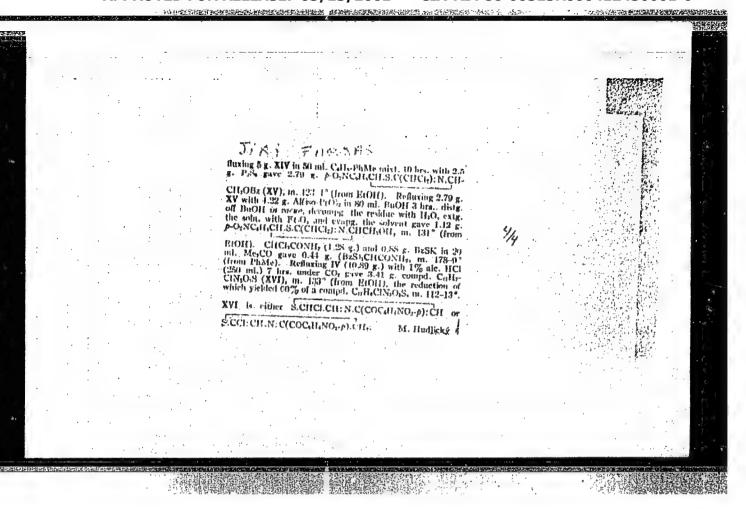
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Farkas, J.

\*Progress in organic synthesis. The p. 698 (Chemie, Vol. 9, no. 5, Now. 1957)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958

 FARKAS	J I FC I	1
Country Category	CZECHOSLOVAKIA Corganic Chemistry. Synthetic Organic Chemistry	
Abs. Jour	: Ref Zhur - Khim., No 5, 1959, No. 15335	
Author	:Komrsova, H.; Farkas, June	
Institut.	Anomalous Reactions of Di-p-Chlorophenylacet- amide and Di-p-Chlorophenylacetonitrile with Lithium Aluminohydride	
Orig Pub.	:Chem. listy, 1958, 52, No 3, 4344477, 6011311-	•
Abstract	amide (I) and di-p-chlorophenylacetonitrile (II) do not produce reduction of the proposed di-2,2-p-chlorophenylethylamine under usual conditions. The latter was obtained only in the presence of AlCl <sub>3</sub> , or even better, in the presence of AlCl <sub>3</sub> , or even better, in	
	obtained with a yield of 95% from the corres-	
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Country Catogory No. 15335 Abs. Jour : Ref Zhur - Khim., No 5, 1959, Author Institut. Title Orig Pub. : ponding chloranhydride and ammonia in CHCl3, Abstract as well as with a yield of 60% from acid and urea. By the action of POCl<sub>3</sub> on I, II was synthesized, m.p. 89 (from alcohol). Reduction contid. of I and II was effected through boiling for six hours with 1.5 mole of LiAlH, in tetra-hydrofuran. From 1 g. of I, 0.3 g. of II, 0.1 g. of di-p-chlorobenzophenone (III), m.p. 145, 0.1 g. of tetrachlorophenylsuccinic acid nitrile, m.p. 186, and 0.4 g. of di-p-chloro-2/4 Cará: **学期期间装置** 

Abs. Jour : Ref Zhur - Khim., No 5, 1959, No. 15335  Author : Institut. : Title :  Oriz Pub. : Abstract : phenylcarbinol, m.p. 92-93°, were obtained.	
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Abstract • phenylcarbinol. m.p. 92-930. were obtaine	
Abstract : phenylcarbinol, m.p. 92-93°, were obtaine	
From 1 g. of II, only 0.3 g. of regenerated and 0.1 g. of III were successfully isolar the products were separated by means of control of the products were separated by means of the products were separated by means of control of the products were separated by m	ated. chro- yl- he- iling 1 mole

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cont'd.	crease it does not rise three hours 7.6 mM of 18.3 mM of LialH, in tet mM of an ether solution (without heating rise)	if with a solution of rahydrofuran and 8.3 of BF3, yield 98% life; chlorhydrate, picrate, m.p. 224-2250	The state of the s
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CZECHOSLOV/KI//Chemical Technology. Chemical H-18
Products and Their Applications.
Pesticides.

Abs Jour: Ref Zhur-Khiniya, No 7, 1959, 24569

Author : Farkas, J., Kourin, P., Sorn, F.

Inst
Title: The Relationship between Chemical Structure and Insecticidal Activity of Pyrethroid Compounds. II. Analogues of Chrysanthemic Acid Containing Atoms of Chlorine in the Side Chain.

Orig Pub : Chen. 11sty, 1958, 52, No 4, 688-694

Abstract: For the purpose of investigating the relationship between the insecticidal activity and structure, cis-(Ia) and trans-2-(DB)

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CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Applications. Pesticides.

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 24569

dichlorvinyl)-3.3-dimethylcyclopropane carbonic acids (Ib), and also ester of Ib and 2-allyl-3-mathyl-4-oxy-2-cyclopentenone (allylretrolon) (II) were synthesized. By the addition of CCl<sub>4</sub> to 3-methyl-butane-1 in the presence of benzoyl peroxide (23 hours in an autoclave at 90-95°) a 38 percent yield of 1,1,1,3-tetrachlor-4-methylpentane (III) of 80-82°/10 mm boiling point and 1.4860 n<sup>2</sup>0 was obtained. In the dehydrochlorination of alcohol solution of III with 1 mol of KOH (48 hours at Co), 1,1,1-trichlor-4-methyl-

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Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 24569

pentene-2 (IV) of 78-83°/30 mm and of 1.4800 n<sup>20</sup>D is being formed. In the presence of 2 mols of KOH (48 hours at 20°) III yields a mixture containing 90 percent of IV (or also 1,1,3-trichlor-4-methylpentene-1) and 10 percent of 1,1-dichlor-3-ethoxy-4-methylpentene-1. The acetylation of 1,1,1-trichlor-2-oxy-4-methylpentene 3 (Ref Zhur-Khimiya, 1957, 37259) while heating with acetic anhydride in CH5N (3 hours up to 100°) results in the 86 percent yield of 1,1,1-trichlor-2 acetoxy-4-methylpentene-3 (V) of 98°/10 mm boiling

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Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24569

point and 1,4795 n<sup>20</sup>D. Analogically, from a mixture of 1,1,1-trichlor-2-oxy-4-methyl-pentene-3 and -pentene-4, obtained through condensation of chloral and iso-butylene in accordance with Callonge and Perro (Ref Zhur-Khimiya, 1955, 26089; 1957, 54285) forms a mixture of V and 1,1,1-trichlor-2--acetoxy-4-methylpentene-4 (VI) with 89 percent yield. By introducing an ether solution of V drop by drop (in the course of 3 hours) to the suspension of Zn dust in the boiling mixture of ether and CH<sub>3</sub>COOH, 76 percent yield of 1,1-dichlor-4-methylpenta-

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Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 24569

diene-1,3 (VII) of 165-170°/720 mm boiling point, 1.5199 n<sup>20</sup>D, 1g<sub>E max</sub> of 4.87 at 253 m M is derived. Analogically, by conducting the reduction of a mixture of V and VI, 62 percent yield of a mixture containing VII and its unconjugated isomer (of 145-150°/720 mm boiling point of a mixture 1.4798 n<sup>20</sup>D) is obtained, which, isomerized by heating for 1 hour with n-toluene sulfohic acid up to 150°, results in 81 percent yield of VII. When mixture of 0.3 mols of VII and 0.2 mols of diazoacetic ester are added drop by drop in the

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Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 24569

course of 4 hours to 0.5 g of Cu-dust, heated to 110°, followed by filtering-out the catalyst and subjecting the filtrate to fractional distillation, 17.52 g of a mixture containing ethyl esters of Ia and Ib acids is obtained, having 119-120°/15 mm boiling point and 1.4883 n<sup>20</sup>D. Purest sample of the mixture [with 130-135°/15 mm boiling point (bath temperature) and 1.4907 n<sup>20</sup>D] is obtained after hydrolysis and esterification of the Ia and Ib mixtures (La Forge, F. B., Berthl, W. F., J. org. Chem., 1947, 12, 199). The purified mixture of esters (15.16 g) is

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Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 24569

heated for 4 hours at 100° in 80 ml CH3COOH and 15 ml of 20 percent HCl (acid), followed by pouring into water, extraction with petroleum ether, fractionation, yielding 10.5 g of viscous oil that has 100-110° /0.2 boiling point, which after mixing with 10 ml of n-hexane produces 7.46 g of Ia and Ib mixture of 60-65° melting point. By agitating 2.8 g of the preceeding mixture in 20 ml of hexane, 0.85 g of Ib having 95-96.5° melting point (from hexane) are obtained. From mother liquors obtained after the separation of Ib, upon extended standing at -30°, 0.15 g

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CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Applications. Pesticides.

Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24569

of Ia having 88-89° melting point (from Hexane) are derived. By heating 0.277 g Ib with 1 ml SOCl<sub>2</sub> in 3 ml of n-hexane (1 hour on a steam bath), followed by dissolving of raw chloranhydride in 5 ml C<sub>2</sub>H<sub>6</sub>, addition of 0.2 g II, and 12 hours standing of the mixture, 0.2 g of a complex ester of Ib acid with II are obtained with the boiling point of 140-150/0.2 mm and n<sup>2</sup>Op of 1.5274. In conducting comparison tests of insecticidal activities of Ib ester and II as against that of alletrine (on ordinary house flies), it has been established that substitution of methyl

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Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 24569

groups in the side chain of the chrysanthemic acid with chlorine atoms does not lead to changes in the insecticidal activity of a compound.

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CZECHOSLOVAKIA/Chemical Technology. Chemical H-18
Products and Their Applications.
Pesticides.

Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24570

Author : Farkas, J., Kourim, P., Sorm, F.

Inst
Title: The Relationship between Chemical Structure and Industrial Activity of the Pyrethroid Compounds. II. Analogues of Chrysanthemic

Acid Containing Aryl Group.

Orig Pub: Chem. listy, 1958, 52, No 4, 695-706

Abstract: By the condensation of diazoacetic ester with the substituted derivation of styrol, 2-arylcyclopropane carbonic acids and the esters with alletrolon (I) are obtained.

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Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24570

In the comparison of insecticidal activities of these esters with those of alletrene, it was established that the substitution of iso-butylene in the chrysanthemic acid (II) for a phenyl group does not lead to the lowering of its activity, However, its activity is lowered when the phenyl group is being substituted. The presence of hemin CH<sub>2</sub>-groups in the cyclopropane ring of II is essential from the standpoint of insecticidal activity. The most effective of all the esters obtained are (±)-trans-2-phenyl-33-dimethylcyclopropanecarbonic acid

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Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 24570

ester (trans-III) or its pravoratory antipodes (trans-(+) -III) with I. The absolute configuration of trans-III has been proved. The following aromatic carbinols R<sub>1</sub>R<sub>2</sub>R<sub>3</sub> . COH are obtained (using usual methods) from an aldehyde, ketone, or compound ester and aryl, or alkyl-MgBr, or the corresponding MgCl derivatives. Presented are: R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, boiling point in °C/mm, n<sup>2</sup>O, yield in percent. They are: H, C<sub>2</sub>H<sub>5</sub>, C<sub>6</sub>H<sub>6</sub> (IV), 110/15, 1.5262, 66; CH<sub>3</sub>, CH<sub>3</sub>, benzyl, 95/8, 1.5169, 74; C<sub>2</sub>H<sub>5</sub>, C<sub>2</sub>H<sub>5</sub>, benzyl, 125/15, 1.5165, 64; CH<sub>3</sub>, CH<sub>3</sub>, o-xylyl;

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Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 24570

113/8, 1.5186, 71; CH<sub>3</sub>CH<sub>3</sub>, m-xylyl, 119/20, 1.5144, 71; CH<sub>3</sub>, CH<sub>3</sub>, n-xylyl IV, 102/8 (melting point 90-41° [sic]), 1.5129, 73
3,5-dinitrobenzoate IV, melting point of 133-134°); CH<sub>3</sub>, CH<sub>2</sub>, n-chlorbenzyl (V), 129/11 (34° melting point), -, 73 (3,5-dinitrobenzoate V, melting point 126-127°); CH<sub>3</sub>, CH<sub>4</sub>, 2,4-dichlorobenzyl, 135/10, 1.5451, 71 (3,5-dinitrobenzoate, melting point 116°). The following derivatives of styrol R<sub>1</sub> ° C<sub>6</sub>H<sub>4</sub> ° C<sub>7</sub>H<sub>4</sub> = C<sub>7</sub>C<sub>7</sub>CH<sub>3</sub> (R<sub>3</sub>) were obtained in the hours of boiling of the corresponding alcohol with 30 percent excess of acetic anhydride and 1

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Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 29570

percent H<sub>2</sub>SO<sub>4</sub> (Method 1), or from the corresponding alcohol in the contact with Al<sub>2</sub>O<sub>3</sub> at 300-320° (Method B). Presented below are R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, boiling point in °C//mm, n<sup>2</sup>O<sub>D</sub>, synthesis method, yield in percent. They are: H, H, CH<sub>3</sub> (VI), 71/15, 1.5485, A. 52; H, CH<sub>3</sub>, CH<sub>3</sub>, 78/16, 1.5387, A, 82; H, C<sub>2</sub>H<sub>5</sub>, C<sub>2</sub>H<sub>5</sub> (VII) 101/15, 1.5189, A, 86; o-CH<sub>3</sub>, CH<sub>3</sub>, CH<sub>3</sub>, 87/18, 1.5283, A, 84; m-CH<sub>3</sub>, CH<sub>3</sub>, CH<sub>3</sub>, CH<sub>3</sub>, 97/22, 1.5332, A, 84; n-CH<sub>3</sub>, CH<sub>3</sub>, CH<sub>3</sub>, CH<sub>3</sub>, 102/11, 1.5521, A, 84; n-CH<sub>3</sub>, CH<sub>3</sub>, CH<sub>3</sub>, CH<sub>3</sub>, 102/11, 1.5521, A, 74; 2,4-CL<sub>2</sub>, CH<sub>3</sub>, CH<sub>3</sub>, 123/15, 1.5593, A, 89.

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Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24570

VI (n<sup>20</sup>D = 1.5490) also obtained with 80 percent yield from allylbenzene by heating it with 1 percent tort-butylate K up to 150°, but VII (n<sup>20</sup>D = 1.5314) with 55 percent yield by heating (1 hour) 1-methyl-3-methallylbenzene with 1 percent n-toluenesulfonic acid at 160° temperature. 2-arylcyclopropanecarbonic acids R<sub>1</sub>C<sub>6</sub>H<sub>4</sub>CHC(R<sub>2</sub>)(R<sub>3</sub>)CHC00H were synthesized when a mixture of 0.2-0.3 mols of corresponding styrol derivative and 0.1 mols of diazoacetic ester were added drop by drop to 0.1 mols of styrol derivative and 1 g Cu dust in the course of 6 hours at 120-125°

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Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 24570

with the subsequent heating for 1/2 hour at  $150^{\circ}$ . The mixture of corresponding ethyl esters; isolated by vacuum distillation, is saponified by boiling for 3 hours with 20 percent water-alcohol solution of KOH (50 percent excess). From the mixture of stereo-isomeric acids, after the addition of petro-leum ether, the corresponding cis-acid in crystalline form (notations of cis- and trans-refer to corresponding positions of  $R_1$  •  $C_0H_4$  and  $C_0OH$  groups) is usually separated. The non-crystallizing mixtures are converted (by means of 3 hour heating with  $S_0C_{12}$ ) into  $C_0H_6$ 

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Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24570

with the corresponding chloranhydrides, or olse by the interaction of these chloranhydrides with NH<sub>2</sub> solution in CHCl<sub>3</sub> at 00, into the corresponding amides. All the cisacids were recrystallized from C<sub>6</sub>H<sub>6</sub> + petroleum ether, all the trans-acids from petroleum ether. The following arylcyclopropane acids were obtained (given below are R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, yield in percent of the isomeric acids, melting point in °C of trans- and cis-isomers, boiling point in °C/mm of chloranhydrides of cis- and trans- acids): H, H, H VIII, 59, 104, 92, -, -, (melting points of amides cis-VIII

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Abs Jour: Rof Zhur-Khimiya, No 7, 1959, 24570

and trans-VIII are 88-89° and 189°, molting point of toluidide cis-VIII is 174°); H, H, CH3 (IX), 50, 114, 77.5, -, -; H, CH3, CH3 (III), 63, 134, 102, -, 122/11 (molting points of amides cis- and trans-III are 98-99° and 141°); 2-CH3, CH3, CH3 (XI), 62, -, boiling point 135°/0.1 mm, -, 122/5 (molting point of toluidide trans-XI is 1.45-147°); 4-CH3, CH3, CH3 (XII), 62, 142, 134, -, 105/0.4; 4-Cl, CH3, CH3 (XIII), 46, -, 140-141, -, 120/0.2; 2,4-Cl2, CH3, CH3, CH3, 46, 174 (?), 96 (?), -, -; H, C2H5, C2H5 (XIV),

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CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Applications. Pesticides.

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 24570

58, -, 98, -, -. When a mixture of solutions of 9.5 g of trans-III in 50 ml of ether and 4.2 g (-) ephedrin in 10 ml of ether are kept at 0° for 3 hours, 5.85 g (-)-ephedrin salt of trans-(+)-III of 169° melting point (from ethylamstate), [(x]2°D of +0.51° (with 3.13, in C<sub>2</sub>H<sub>5</sub>OH) are derived. From mother liquors after addition of 4.9 g (-)-ephedrin and after keeping at 0° for 5 hours, (-)-ephedrin salt of trans-(-)-III of 130-131° melting point (from ethylacetate), [(x]2°D - 38.8° (with 2.64 in C<sub>2</sub>H<sub>5</sub>OH) is obtained. And from the decom-

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Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 24570

position of salts with 4 percent HCl (acid), were obtained free trans-(+)-III of 84-85° melting point, [X]20D + 31.9° (with 4.93 in C2H20H) and trans-(-)-III of 84-85.5° melting point, [X]20D = 32.2° (with 4.85, in C2H20H). Esters of the preceding acids and I are obtained with yields of approximately 50 percent in a mixture of C6H6 + C2H2N from I and chloranhydride of corresponding acid when keeping a mixture for 1 hour at 0° and 12 hours at approximately 20°. After the usual treatment of a solution in C6H6, the raw ester is purified

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CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Applications. Posticides.

Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 24570

with Al<sub>2</sub>O<sub>3</sub> and volatile fractions are removed by heating to 78°/0/1 mm for 8 hours, or by fractionation at 180-190°/0/1 mm. The following esters were synthesized (given below are initial acid and n<sup>2</sup>OD of ester): trans-VIII, 1.5517; trans-IX, 1.5450; trans-III, 1.5382; trans-(+)-III, 1.5371; trans-(-)-III, 1.5378; cis-III, 1.5401; X, 1.5369; XI, 1.5362; trans-XII, 1.5365; XIII, 1.5452; XIV, 1.5355. For Part I, see preceeding abstract.

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FARKAS, J.

Sulfate lignin. III. Elementary composition of functional groups. p. 464.

CHEMICKE ZVESTI. (Journal on applied chemistry issued by the Slovak Academy of Sciences and the Slovak Chemical Society. Monthly). Bratislava, Czechoslovakia, Vol., 13, No. 7/8, July/Aug., 1959.

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SMEJKAL, J.; JONAS, J.; FARKAS, J.

Dissociation constants of stereoisomers of cyclopropanehydroxylicacid pairs. Coll Cz Chem 25 no.7:1746-1750 J1 160. (EEAI 10:9)

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(Dissociation) (Cyclopropanecarboxylic acid)

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(Pyrethroids) (Allethrin)

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FARKAS, J.; KOMRSOVA, H.; KRUPICKA, J.; NOVAK, J.J.K.

Relation between the chemical structure and insecticidal activity in pyrethroid compounds, IV. Effect of the substituent of the side chain in the process of the Laforge cyclization, Coll Cz Chem 25 mo. 7:1824-1836 Jl '60. (REAI 10:9)

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Relationship between chemical structure and insecticidal action in the series of pyrethroide substances. Part 5: A synthesis of trans-2, 2-dichloro-3-phenylcyclorpropane-carboxylic acid and its allylrethronyl ester. Coll Cz Chem 26 no.8:2090-2092 161.

1. Institut of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

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SMEJKAL, J; FARKAS, J.

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Prague, Collection of Czechoslovak Chemical Communications, No 5, 1963, pp 1345-1347

"Derivatives of 1-desoxy-D-Psicose."

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Institute of Organic Chemistry and Biochemistry of the Ozechoslovak Academy of Folenoss, Prague (for both)

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"Hydrogenolytic Cleavage of Cyclopropage Ring in the Series of Substituted Cyclopropage Carboxylic Acids."

## SMEJKAL, J.; FARKAS, J.

Anomalous course of elimination reactions in the series of phenylcyclopropane derivatives. Goll Cz Chem 28 no.2:404-410 F' 163.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

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# SMEJKAL, J.; FARKAS, J.

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1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences.

FARKAŠ, J; ŠORM, F.

Czechoslovakia

Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Science -- Prague - (for all)

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"Nucleic Acid Components and Their Analogues. XXX. The Synthesis of Psicofuranine."

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Hydrogenolytic cleavage of cyclopropane ring in the series of substituted cyclopropane carboxylic acids. Coll Cz Chem 28 no.6:1557-1568 Je '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

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Derivatives of 1-desoxy-D-psicose. Coll Cz Chem 28 no. 5: 1345-1347 My '63.

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	TOROK, G.).		
	"Reduction of Heat and Radiation Resistance of Bacillus Cereus Spores by Initiating Germination"		
	Budapest, Acta Microbiologica Academiae Scientiarum Hungaricae, Vol 13, No 1, 2 Jun 1966, pp 35-46.		
•	Abstract: [English article] The effect and practical applicability of known germination-initiating agents, such as d-glucose, 1-alanine, adenosine, combinations of these, and mild heating, to reduce the resistance of Bacillus cereus, spores to heat and radiation has been investigated. Best results were achieved if the additive and heating (30°C) were employed in conjunction. The technique causes relatively little damage to foodstuffs. The spores that were induced to germinate become less resistant even when they are present in high counts. Orig. art. has: 8 figures, 2 formulas and 1 table.  [JPRS: 36,834]	6	
	TOPIC TAGS: bacteria, radiation biologic effect, food technology, heat biologic effect	,	
	SUB CODE: 06 / SUBM DATE: 270ct65 / ORIG REF: 005 / OTH REF: 033	_	
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157			

CASTIFICATION DE ARTICLES EN LE TRANSPORTE DE LA CONTRACTOR DE LA CONTRACT

Hungary/Analytical Chemistry - Analysis of Inorganic Substances, G-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61871

Author: Farkas, Joszef

Institution: None

Title: Rapid Analysis Method for Limestone and Dolomite

Original

Periodical: Meszko es dolomit gyorselemzese. kohasz. lapok, 1956, 11, No 1, 11-13;

Hungarian; German resumé

Abstract: CaO and MgO content of limestones and dolomites is determined by

titration with Complexon III. Iron is determined by photometry

of the salicylate at pH 2.5.

Card 1/1

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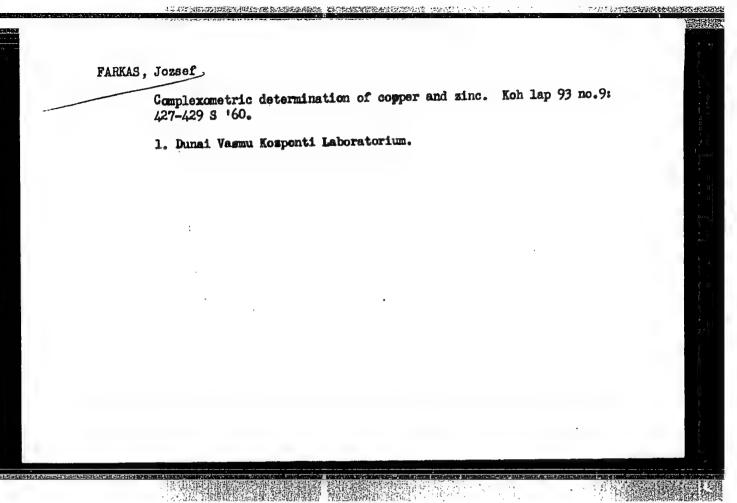
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SO: Monthly List of East European Accessions (EEAL) LC., Vol. 6, no. 7, July 1957 Uncl.

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A new method for determining the fatigue limit of welded joints. Gep 12 no.1:35-36 Ja \*60.

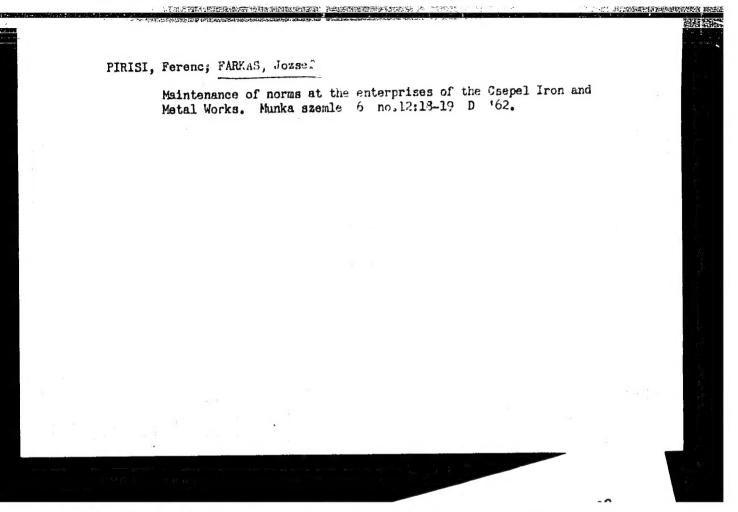
1. Nehezipari Mussaki Egyetem Szallitoberendezesek Transzeke, Miskolc.

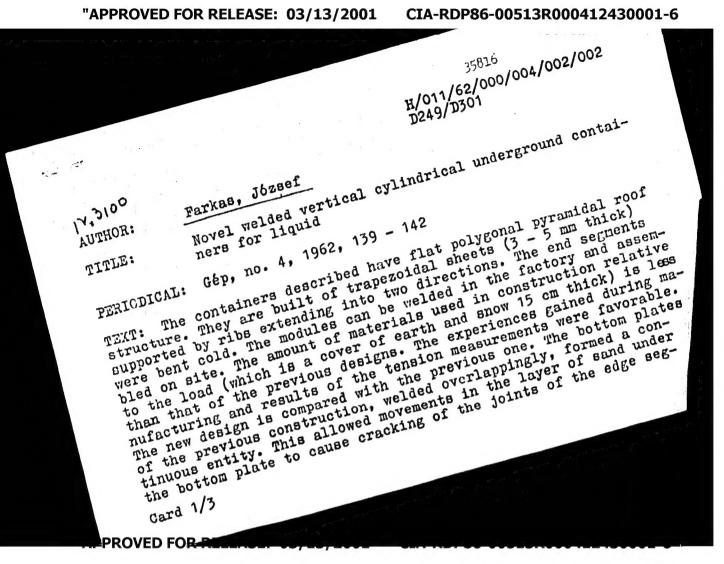


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Elastic and plastic loading limit of a welded joint under general load. Zvar sbor 10 no.2:229-234 \*61.

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H/011/62/000/004/002/002 D249/D301

Novel welded vertical cylindrical ...

ments. These movements occurred frequently due to changes of temperature and pressure of the liquid. In the new design a flat steel mesh (80 mm x 8 mm) is laid on a concrete base plate. Sheet plates (6 m x 3 m) are welded to the mesh. Construction of the sides is identical in the old and new designs. Due to the danger of corresion, roof plates of 4 mm thickness were used. As a result of the roof design these plates take a considerable part in carrying the load. The design and construction of the roof, and experiences in the production are described. The boundary tension  $\sigma_{\rm H} = 1950$  kp./cm², safety factor for the load of snow and earth, n = 1.1. The value taken for the load of snow is 80 kp/m². Apart from the load

kp./cm², safety factor for the load of show and dark value taken for the load of snow is 80 kp/m². Apart from the load symmetrical to the axis, an asymmetric load of snow was considered, with a peak value of 100 kp/m². The considered value for the load of earth, assuming damp loose sand was 15 cm. 1.7 Mp/m³ = 225 kp/m². Tensions on the roof construction were calculated only by the use of approximations. The nominal volumes of the containers designed are 100, 200, 300, 500, 1000, 2000 m³. There are 7 figures, 1 table and 6 references: 1 Soviet-bloc and 5 non-Soviet-bloc.

Card 2/3